

SOURCES AND EXPLANATION OF DATA

- Cramer, C.H., Grantz, Arthur, and Hanna, W.F., 197_, Marine magnetic anomaly map of the Alaskan continental shelf in the Chukchi and Beaufort Seas: U.S. Geol. Survey report (in preparation), scale 1:1,000,000, contour interval 20 gammas. Contour interval: 20 gammas; heavy numbered contours are 100 gammas; numbers are hundreds of gammas.

 Datum: variable, IGRF removed (1965).

 Data from the following sources:

 la. Woolson, J.R., and others, 1962, Seismic and gravity surveys of Naval Petroleum Reserve No. 4 and adjoining areas, Alaska: U.S. Geol. Survey Prof. Paper 304-A, 25 p., scale 1:1,000,000, contour interval 10 gammas, flight line spacing and direction 2 and 4 miles northeast-southwest with variably spaced tie lines, flown in 1945 and 1946.

 1b. Andreasen, G.E., 1960, Total intensity aeromagnetic profiles of the Cape Lisburne area, Alaska: U.S. Geol. Survey open-file report 60-6, scale 1:250,000, flight line spacing and direction approximately 1 mile north-south, flight elevation 500 feet above ground level, flown in 1958.

 1c. Aero Service Corp., 1958, Aeromagnetic profiles in the western Brooks Range, Alaska.

 - 1c. Aero Service Corp., 1958, Aeromagnetic profiles in the western Brooks Range, Alaska.
 1d. U.S. Geological Survey, 1972, Aeromagnetic data from S.W. Naval Petroleum Reserve, Alaska: U.S. Geol. Survey open-file report 72-383, scale 1:250,000, flight line spacing and direction 4 miles north-south with 2 east-west tie lines, flight elevation adjusted to 1000 feet above ground level, flown in 1970.
 1e. Scintrex Airborne Geophysics, Inc., 1970, Aeromagnetic profiles over the western Baird Mountains, Brooks Range, Alaska.
 1f. Miller, T.P., and Anderson, L.A., 1969, Airborne radioactivity and total intensity magnetic survey of the southern Kobuk-Selawik lowland, western Alaska: U.S. Geol. Survey open-file report, scale 1:63,360, contour interval 20 gammas, flight line spacing and direction 1 mile east-west, flight elevation adjusted to 400 feet above ground level, flown in 1968.
 Andreasen, G.E., 1960, Total intensity aeromagnetic profiles of Kobuk River, Alaska: U.S. Geol. Survey open-file report 60-7, scale 1:250,000, 11 scattered profiles, flight elevation 2500 feet above sea level, flown in 1958.
 In Miller, T.P., and Anderson, I.A., 1060, (ass. 16. above)
 - In 1958.

 lg. Miller, T.P., and Anderson, L.A., 1969, (see If above).

 lh. Andreasen, G.E., 1960, Total intensity aeromagnetic profiles of Cape Espenberg,
 Alaska: U.S. Geol. Survey open-file report 60-5, scale 1:63,360, 8 northsouth profiles, flight elevation 500 feet above ground level, flown in U.S. Geological Survey, 1969, Airborne geophysical surveys in Seward Peninsula area, Alaska: U.S. Geol. Survey open-file report 69-294, scale 1:63,360, 2 north-south profiles, flight elevation 500 feet above ground level, flown in 1968.
- Alaska Division of Geological and Geophysical Surveys, 1975, Aeromagnetic map, Baird Mountains quadrangle (eastern two-thirds), Alaska: Alaska Div. Geol. and Geophys. Surveys open-file report 77, scale 1:250,000, contour interval 10 gammas. Contour interval: 100 gammas; heavy numbered contours are 500 gammas; numbers are hundreds of gammas.

 Datum: 56,117.99 gammas, IGRF removed (1965), updated to 1974.
 Flight line spacing and direction: 1 mile north-south with 15 mile east-west tie lines.
 Flight elevation: 1000 feet above ground level.
 Type of magnetometer: G-803 proton.
 Year flown: 1974.
- Alaska Division of Geological and Geophysical Surveys, 1975, Aeromagnetic map, western two-thirds of Ambler River quadrangle, Alaska: Alaska Div. Geol. and Geophys. Surveys open-file report 76, scale 1:250,000, contour interval 10 gammas. Contour interval: 100 gammas; heavy numbered contours are 500 gammas; numbers are hundreds of gammas.

 Datum: 56,379.73 gammas, IGRF removed (1965), updated to 1974.

 Flight line spacing and direction: 1 mile north-south with 15 mile east-west tie lines.

 Flight elevation: 1000 feet above ground level.

 Type of magnetometer: G-803 proton.

 Year flown: 1974.
- Alaska Division of Geological and Geophysical Surveys, 1975, Aeromagnetic map, Selawik
 quadrangle (northeastern part), Alaska: Alaska Div. Geol. and Geophys. Surveys open-file
 report 78, scale 1:250,000, contour interval 10 gammas. Contour interval: 100 gammas; heavy numbered contours are 500 gammas; numbers are hundreds of gammas; neavy numbered contours are 500 gammas; numbers are hundreds of gammas.

 Datum: 55,915.06 gammas, IGRF removed (1965), updated to 1974.

 Flight line spacing and direction: l mile north-south with 15 mile east-west tie lines.

 Flight elevation: 1000 feet above ground level.

 Type of magnetometer: G-803 proton.

 Year flown: 1974.
- Alaska Division of Geological and Geophysical Surveys, 1975, Aeromagnetic map, Shungnak quadrangle (northwestern part), Alaska: Alaska Div. Geol. and Geophys. Surveys open-file report 79, scale 1:250,000, contour interval 10 gammas. Contour interval: 100 gammas; heavy numbered contours are 500 gammas; numbers are hundreds of gammas.

 Datum: 56,117.99 gammas, IGRF removed (1965), updated to 1974.

 Flight line spacing and direction: 1 mile north-south with 15 mile east-west tie lines.

 Flight elevation: 1000 feet above ground level.

 Type of magnetometer: G-803 proton.

 Year flown: 1974.
- Hackett, S.W., 1977, Aeromagnetic map of southwestern Brooks Range, Alaska: Alaska Div. Geol. and Geophys. Surveys Geologic Report 56, scale 1:250,000, contour interval 10 gammas. Contour interval: 100 gammas; heavy numbered contours are 500 gammas; numbers are hundreds of gammas.

 Datum: variable (55,915.10 gammas to 56,591.60 gammas), IGRF removed (1965), updated to 1974.

 Flight line spacing and direction: 3/4 mile and 1 mile north-south with 15 mile eastwest tie lines.

 Flight elevation: 1000 feet above ground level.

 Year flown: 1973, 1974, and 1975.
- U.S. Geological Survey, 197_, Residual magnetic intensity map of the Philip Smith Mountains quadrangle, Alaska: U.S. Geol. Survey open-file report (in preparation), scale 1:250,000, contour interval 10 gammas. Contour interval: 100 gammas; heavy numbered contours are 500 gammas; numbers are hundreds of gammas.

 Datum: 57,249.48 gammas, IGRF removed (1965), updated to 1976.

 Flight line spacing and direction: 1 mile north-south with variably spaced east-west tie lines.

 Flight elevation: 1000 feet above ground level.

 Year flown: 1976.
- Brosge, W.P., Brabb, E.E., and King, E.R., 1970, Geologic interpretation of reconnaissance aeromagnetic survey of northeastern Alaska: U.S. Geol. Survey Bull. 1271-F, 14 p., scale 1:1,000,000, contour interval 20 gammas. Contour interval: 20 gammas; heavy numbered contours are 100 gammas; numbers are hundreds of gammas.

 Dātum: ārbitrary, ĪĠŘF removed (1965).
 Flight line spacing and direction: 10 to 20 miles north-south with 2 tie lines, plus earlier surveys.
 Flight elevation: 5000 feet or higher above sea level
 Type of magnetometer: fluxgate.
 Year flown: 1965 (and earlier).
- U.S. Geological Survey, 1973, Aeromagnetic survey, eastern part of Wiseman quadrangle, northeast Alaska: U.S. Geol. Survey open-file report 73-306, scale 1:250,000, contour interval 10 gammas. Contour interval: 100 gammas; heavy numbered contours are 500 gammas; numbers are hundreds of gammas.

 Datum: arbitrary, IGRF removed (1965), updated to 1972.
 Flight line spacing and direction: 2 kilometers north-south with variably spaced tie lines. Flight elevation: 1000 feet above ground level. Year flown: 1972.
- U.S. Geological Survey, 1973, Aeromagnetic survey, western half of Chandalar quadrangle, northeast Alaska: U.S. Geol. Survey open-file report 73-310, scale 1:250,000, contour interval 10 gammas. Contour interval: 100 gammas; heavy numbered contours are 500 gammas; numbers are hundreds of gammas.

 Datum: arbitrary, IGRF removed (1965), updated to 1972.

 Flight line spacing and direction: 2 kilometers north-south with variably spaced tie lines. lines.
 Flight elevation: 1000 feet above ground level.
 Year flown: 1972.
- U.S. Geological Survey, 1974, Aeromagnetic map of the eastern half of the Chandalar quadrangle, northeastern Alaska: U.S. Geol. Survey open-file report 74-103, scale 1:250,000, contour interval 10 gammas. Contour interval: 100 gammas; heavy numbered contours are 500 gammas; numbers are hundreds of gammas.

 Datum: 57,039.60 gammas, IGRF removed (1965), updated to 1973.

 Flight line spacing and direction: 1 mile north-south.

 Flight elevation: 1000 feet above sea level.

 Year flown: 1973.
- U.S. Geological Survey, 1973, Aeromagnetic survey, eastern part of Bettles quadrangle, northeast Alaska: U.S. Geol. Survey open-file report 73-305, scale 1:250,000, contour interval 10 gammas. Contour interval: 100 gammas; heavy numbered contours are 500 gammas; numbers are hundreds of gammas.

 Datum: arbitrary, IGRF removed (1965), updated to 1972.
 Flight line spacing and direction: 2 kilometers north-south with variably spaced tie lines. Flight elevation: 1000 feet above ground level. Year flown: 1972.
- 13. U.S. Geological Survey, 1973, Aeromagnetic survey, western half of Beaver quadrangle, northeast Alaska: U.S. Geol. Survey open-file report 73-309, scale 1:250,000, contour interval 10 gammas. Contour interval: 100 gammas; heavy numbered contours are 500 gammas; numbers are hundreds of gammas.

 Datum: arbitrary, IGRF removed (1965), updated to 1972.
 Flight line spacing and direction: 2 kilometers north-south with variably spaced tie Flight elevation: 1000 feet above ground level.
 Year flown: 1972.
- 14. U.S. Geological Survey, 1974, Aeromagnetic map of the eastern half of the Beaver quadrangle, northeastern Alaska: U.S. Geol. Survey open-file report 74-102, scale 1:250,000, contour interval 10 gammas. Contour interval: 100 gammas; heavy numbered contours are 500 gammas; numbers are hundreds of gammas.

 Datum: 56,849,95 gammas, IGRF removed (1965), updated to 1973.

 Flight line spacing and direction: 1 mile north-south.

 Flight elevation: 1000 feet above sea level.

 Year flown: 1973.
- 15. Alaska Division of Geological and Geophysical Surveys, 1973, Aeromagnetic map, southwestern part of Selawik quadrangle, Alaska: Alaska Div. Geol. and Geophys. Surveys open-file report 1, scale 1:250,000, contour interval 10 gammas. Contour interval: 100 gammas; heavy numbered contours are 500 gammas; numbers are hundreds of gammas.

 Relative datum: 5000 gammas = zero datum, IGRF removed.

 Flight line spacing and direction: 3/4 mile east-west with 15 mile north-south tie lines.

 Flight elevation: 1000 feet above ground level.

 Type of magnetometer: fluxgate.

 Year flown: 1971.

